

PCT

TEOD 27 MAR 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference RTSP-0058	FOR FURTHER ACTION	CTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/mo	te (day/month/year) Priority date (day/month/year)		
PCT/US00/07634	23 MARCH 2000	29 MARCH 1999		
International Patent Classification (IPC) o Please See Supplemental Sheet.	or national classification and IPC			
Applicant ISIS PHARMACEUTICALS, INC.				
Examining Authority and is t	transmitted to the applicant a		ed by this International Preliminary Article 36.	
2. This REPORT consists of a t	•			
been amended and are the (see Rule 70.16 and Secti	basis for this report and/or she ion 607 of the Administrative I	ets containing	iption, claims and/or drawings which have a rectifications made before this Authority ander the PCT).	
These annexes consist of a tot	tal of <u>U</u> sheets.			
3. This report contains indications	s relating to the following ite	ms:		
I Basis of the report	t			
II Priority				
<u> </u>	t of report with regard to not	elty inventi	ve step or industrial applicability	
IV Lack of unity of it	-	eny, mvenn	ve step of industrial applicationity	
V X Reasoned statement			, inventive step or industrial applicability;	
VI Certain documents of				
VII Certain defects in th	ne international application			
VIII Certain observations	s on the international application	n		
_	-		· -	
Date of submission of the demand	Date of	of completion	of this report	
16 OCTOBER 2000	08	NOVEMBER	2 2000	
Name and mailing address of the IPEA.U Commissioner of Patents and Tradema Box PCT Washington, D.C. 20231		rized officer PARIO EAN MCGAF	Jawrence for	

Telephone No.

(703) 308-0196

Facsimile No. (703) 305-3230



International application No	١			
		memational	application	No

PCT/US00/07634

т. в	2818 01	ine report			
1. With	regard	to the elements of the intern	ational application:*		
x	_	ternational application a	• •		
		scription:	•		
х		1-81			, as originally filed
		NONE			, filed with the demand
			, filed with		
	P-6-0		, ,		
X	the cla	aims:			
	pages	82 and 83			, as originally filed
	pages	NONE	, as amend	ed (together with any sta	atement) under Article 19
	pages	NONE			, filed with the demand
	pages	NONE	, filed with the letter of	of	
		•			
X		awings:			
		NONE			, as originally filed
	pages	NONE			, filed with the demand
	pages	NONE	, filed with t	he letter of	
X		quence listing part of the	-		
	pages				
	pages	NONE	, filed with t	he letter of	· · · · · · · · · · · · · · · · · · ·
	the lan	iguage of a translation fu guage of publication of guage of the translation fur	hed to this Authority in the following the following the purposes of the international application in the following the purposes of international for the purpose of international for the purpose of	international search (un (under Rule 48.3(b)).	
			r amino acid sequence discl l out on the basis of the seq		pplication, the international
	contair	ned in the international a	pplication in printed form.	•	
	filed to	gether with the internat	ional application in comput	er readable form	
\dashv					
ᆜ	iumisn	led subsequently to this	Authority in written form.	•	
	furnish	ed subsequently to this	Authority in computer read	able form.	_
	The sta	itement that the subseque tional application as filed	ntly furnished written sequen has been furnished.	ce listing does not go bey	ond the disclosure in the
	The sta	tement that the information	recorded in computer readab	e form is identical to the v	vriten sequence listing has
4. X	The ar	nendments have resulted	in the cancellation of:		
	X,	he description, pages	NONE		
		he claims, Nos.	NONE		
		he drawings, sheets /fig	NONE		
5.					
ــا ٠			some of) the amendments had	•	have been considered to go
in th	acement	sheets which have been fun	indicated in the Supplemental ished to the receiving Office in are not annexed to this repo	response to an invitation und	der Article 14 are referred to n amendments (Rules 70.16
**Any	replace	ment sheet containing such	amendmenis musi be referre	d to under item 1 and ann	exed to this report.



International application No.
PCT/US00/07634

statement			
Novelty (N)	Claims	1-17	YI
, , ,	Claims	NONE	NO
Inventive Step (IS)	Claims	1-17	YE
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-17	YE
•	Claims	NONE	NO
 IONE			·
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International application No.
PCT/US00/07634

Suppleme	ntal B x
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(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): C07H 21/02, 21/04; A61K48/00; C12N 15/09 and US Cl.: 536/23.1, 24.1, 24.5; 435 6, 375, 377; 514/44



International application No. PCT/US00/07634

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :C07H 21/02, 21/04; A61K48/00; C12N 15/09 US CL : 536/23.1, 24.1, 24.5; 435 6, 375, 377; 514/44 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system follow U.S. : 536/23.1, 24.1, 24.5; 435 6, 375, 377; 514/44	ved by classification symbols)	
Documentation searched other than minimum documentation to the NONE	he extent that such documents are included in the fields searched	
Electronic data base consulted during the international search (i WEST, MEDLINE, SCISEARCH, BIOSIS, BIOTECHNO, CA	-	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages Relevant to claim No.	
A,P LANZ et al. A Steroid Receptor Co an RNA and is Present in an SRC-1 C Vol. 97, pages 17-27, see entire docu	oactivator, SRA, Functions as Complex. Cell. 02 April 1999, ament.	
	·	
Further documents are listed in the continuation of Box C	C. See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
P document published prior to the international filing date but later than the priority date claimed	*& * document member of the same patent family	
Date of the actual completion of the international search 04 MAY 2000	Date of mailing of the international search report 3 0 MAY 2000	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer faurence for Telephone No. (703) 308-0196	

From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: JANE MASSEY LICATA LAW OFFICES OF JANE MASSEY LICATA 66 E. MAIN STREET MARLTON, NJ 08053

> Docket System _ Status Report _ Docket Book

> > NP= 9-29-01

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

Date of Mailing (day/month/year)

23 MAR 2001

Applicant's or agent's file reference

RTSP-0058

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US00/07634

International application No.

23 MARCH 2000

29 MARCH 1999

IMPORTANT NOTIFICATION

Applicant

ISIS PHARMACEUTICALS, INC.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4 REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Box PCT Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

Sawrence for



(PCT Article 36 and Rule 70)

Applicant's or agent's file reference RTSP-0058	FOR FURTHER ACTION	CTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/	ate (day/month/year) Priority date (day/month/year)			
PCT/US00/07634	23 MARCH 2000		29 MARCH 1999		
International Patent Classification (IPC) of Please See Supplemental Sheet.	International Patent Classification (IPC) or national classification and IPC				
Applicant ISIS PHARMACEUTICALS, INC.					
Examining Authority and is 2. This REPORT consists of a This report is also accompleen amended and are the (see Rule 70.16 and Secton These annexes consist of a to 3. This report contains indication I X Basis of the report II Priority III Non-establishmen IV Lack of unity of its section II III III Non-establishmen III III III III III III III III III I	transmitted to the applicant total of sheets. panied by ANNEXES, i.e., sheet basis for this report and/or skinn 607 of the Administrative stal of sheets. It relating to the following interest of report with regard to not invention	ets of the desc neets containing Instructions under terms:	ription, claims and/or drawings which have g rectifications made before this Authority.		
	nations supporting such stater		, , , , , , , , , , , , , , , , , , , ,		
	he international application				
VIII Certain observation	s on the international applicat	ion			
Date of submission of the demand	Date	of completion	of this report		
16 OCTOBER 2000		8 NOVEMBE	R 2000		
Name and mailing address of the IPEA/L Commissioner of Patents and Tradem Box PCT Washington, D.C. 20231	arks	orized officer orized officer SEAN MCGA	Saulrence For		
Facsimile No. (703) 305-3230	1 ele	ohone No. (703) 308-0196		



I. Basis of the report	
With regard to the elements of the international application:*	
X the international application as originally filed	
X the description:	
. 1_81	, as originally filed
pagesNONE	, filed with the demand
pages, filed with the letter	
y the claims:	
92 and 92	as assignably filed
pages NONE , as amended (together	, as originally filed
, as amended (together	, filed with the demand
pagesNONE, filed with the letter of	, mod with the definition
X the drawings:	
NONE	, as originally filed
pages NONE filed with the letter of	, filed with the demand
pages NONE, filed with the letter of	f
X the sequence listing part of the description:	
pagesNONE	as originally filed
pages NONE	filed with the demand
pages NONE , filed with the letter of	f
the language of a translation furnished for the purposes of internation the language of publication of the international application (under Ru the language of the translation furnished for the purposes of international pre or 55.3).	ule 48.3(b)).
 With regard to any nucleotide and/or amino acid sequence disclosed in the preliminary examination was carried out on the basis of the sequence listing 	international application, the international g:
contained in the international application in printed form.	
filed together with the international application in computer readable	e form.
furnished subsequently to this Authority in written form.	
furnished subsequently to this Authority in computer readable form.	
The statement that the subsequently furnished written sequence listing do	oes not go beyond the disclosure in the
international application as filed has been furnished.	
The statement that the information recorded in computer readable form is id been furnished.	entical to the writen sequence listing has
4. X The amendments have resulted in the cancellation of:	
X the description, pages NONE	
X the claims, Nos. NONE	
X the drawings, sheets/fig NONE	
5. This report has been drawn as if (some of) the amendments had not been made	de, since they have been considered to go
beyond the disclosure as filed as indicated in the Supplemental Box (Rule 7 * Replacement sheets which have been furnished to the receiving Office in response to a in this report as "originally filed" and are not annexed to this report since they	70.2(c)).** an invitation under Article 14 are referred to
and 70.17). **Any replacement sheet containing such amendments must be referred to under i	item 1 and annexed to this report.

	FC1/030	
pplemental Box be used when the space in any of the preceding bo	xes is not sufficient)	
ntinuation of: Boxes I - VIII	to not outliering	Sheet 1
ASSIFICATION: The International Patent Classification (IPC) and/o C(7): C07H 21/02, 21/04; A61K48/00; C12N 15/09 and	the National classification are as lis US Cl.: 536/23.1, 24.1, 24.5; 435	ted below: 6, 375, 377; 514/44
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		·

citations and explanations supportin	=		
statement			
Novelty (N)	Claims	1-17	
	Claims	NONE	<i>p</i>
Inventive Step (IS)	Claims	1-17	Y
	Claims	NONE	N
Industrial Applicability (IA)	Claims	1-17	Y
	Claims	NONE	
laims 1-17 meet the criteria set out in PCT ligonucleotides in general or specifically to	human SRA.), because the phor art does not lea	en or lairly suggest antisen:
•			

ATENT COOPERATION TR. .TY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year) 13 November 2000 (13.11.00)	ETATS-UNIS D'AMERIQUE in its capacity as elected Office
International application No. PCT/US00/07634	Applicant's or agent's file reference RTSP-0058
International filing date (day/month/year) 23 March 2000 (23.03.00)	Priority date (day/month/year) 29 March 1999 (29.03.99)
Applicant COWSERT, Lex, M. et al	

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	16 October 2000 (16.10.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).
] 	
] 	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

Juan Cruz

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

ATENT COOPERATION TR. .TY

To:

From the	INTERN	NOITAN	AL B	UREAU
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PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
FTATS-LINIS D'AMERIQUE

Date of mailing (day/month/year) 13 November 2000 (13.11.00)	in its capacity as elected Office		
International application No. PCT/US00/07634	Applicant's or agent's file reference RTSP-0058		
International filing date (day/month/year) 23 March 2000 (23.03.00)	Priority date (day/month/year) 29 March 1999 (29.03.99)		
Applicant			
COWSERT, Lex, M. et al			

1.	The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on: 16 October 2000 (16.10.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Juan Cruz

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35